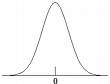
**Part VI: Chapter 6: Probabilities for Normal Distributions**

**Task 1: Construct a histogram and boxplot of the combined scores of the all test takers using the “explore data” function in Statdisk.**

**Describe how this histogram and boxplot fit the definition of approximately normal. Be sure to paste the results screen below. Identify the mean and standard deviation.**

**Task 2: What is the probability that a participant will get a score less than 65?**

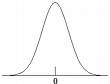




**Task 3: What is the probability that a selected participant scores between 80 and 100 on the exam?**





****

**Task 4: If a group of 9 participants are randomly selected find the probability that the mean score for the group is over 72?**





